

REMARKS

This is in response to the Office Action dated March 23, 2005. Claims 1-17 are pending. While no art rejections were made in the Office Action, the claims were rejected under Section 112, second paragraph.

In the Section 112 rejection, the variables "d" and "L" were at issue. The specification, drawings, and claims have been amended in order to address these issues and present clarification.

"L" refers to an interval between vias in the same layer. For example, see amended Fig. 3 of the drawings which illustrate an example "L." Moreover, "d" refers to the geometric mean of the size of an area. In the case of the area being a square, "d" is the length of any of the sides. In the case of the area being a circle, "d" is approximately the diameter of the circle. Of course, other shapes may instead be used, as circles and square are provided for purposes of example. However, in particular, the geometric mean "d" is expressed as $\text{Area}^{1/2}$ as explained near the bottom of page 19 of the instant specification. The specification has been amended in an attempt to make this more clear, although no new matter has been added. It is submitted that the drawings need not be amended to include "d" since the parameter changes based on the shape of the area for example. The parameter is clearly described on pages 19-20 of the specification, for example and without limitation.

Furthermore, claim has been amended in order to clarify that "d" is expressed as $\text{Area}^{1/2}$ as mentioned above.

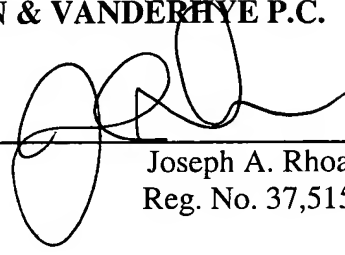
For at least the foregoing reasons, it is respectfully requested that the Section 112 rejection be withdrawn. All claims are in condition for allowance. If any minor matter remains to be resolved, the Examiner is invited to telephone the undersigned with regard to the same.

ADAN
Appl. No. 10/815,952
June 23, 2005

Respectfully submitted,

NIXON & VANDERHIE P.C.

By: _____

A handwritten signature in black ink, appearing to read 'J. Rhoa', is written over a horizontal line.

Joseph A. Rhoa
Reg. No. 37,515

JAR:caj
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Fig. 3. This sheet, which includes Fig. 3, replaces the original sheet including Fig. 3. In Figure 3, reference to "L" has been added.

Attachment: Replacement Sheet